

**Revised Syllabus of Courses of Bachelor of Management Studies  
(BMS) Programme at Semester V  
with effect from the Academic Year 2018-2019**

**Core Course (CC)**

**5. Logistics and Supply Chain Management**

**Modules at a Glance**

SN	Modules	No. of Lectures
1	Overview of Logistics and Supply Chain Management	15
2	Elements of Logistics Mix	15
3	Inventory Management, Logistics Costing, Performance Management and Logistical Network Analysis	15
4	Recent Trends in Logistics and Supply Chain Management	15
<b>Total</b>		<b>60</b>

**Objectives**

SN	Objectives
1	To provide students with basic understanding of concepts of logistics and supply chain management
2	To introduce students to the key activities performed by the logistics function
3	To provide an insight in to the nature of supply chain, its functions and supply chain systems
4	To understand global trends in logistics and supply chain management

SN	Modules/ Units
1	<p data-bbox="280 208 986 241"><b>Overview of Logistics and Supply Chain Management</b></p> <p data-bbox="280 259 850 293"><b>a) Introduction to Logistics Management</b></p> <ul data-bbox="339 304 1409 517" style="list-style-type: none"> <li>• Meaning, Basic Concepts of Logistics- Logistical Performance Cycle, Inbound Logistics, Inprocess Logistics, Outbound Logistics, Logistical Competency, Integrated Logistics , Reverse Logistics and Green Logistics</li> <li>• Objectives of Logistics, Importance of Logistics, Scope of Logistics, Logistical Functions/Logistic Mix, Changing Logistics Environment</li> </ul> <p data-bbox="280 528 911 562"><b>b) Introduction to Supply Chain Management</b></p> <ul data-bbox="339 573 1409 696" style="list-style-type: none"> <li>• Meaning, Objectives, Functions, Participants of Supply Chain, Role of Logistics in Supply Chain, Comparison between Logistics and Supply Chain Management, Channel Management and Channel Integration</li> </ul> <p data-bbox="280 707 911 741"><b>c) Customer Service: Key Element of Logistics</b></p> <ul data-bbox="339 752 1409 831" style="list-style-type: none"> <li>• Meaning of Customer Service, Objectives, Elements, Levels of customer service, Rights of Customers</li> </ul> <p data-bbox="280 842 616 875"><b>d) Demand Forecasting</b></p> <ul data-bbox="339 887 1409 1010" style="list-style-type: none"> <li>• Meaning, Objectives ,Approaches to Forecasting, Forecasting Methods, Forecasting Techniques, (Numerical on Simple Moving Average, Weighted Moving Average)</li> </ul>
2	<p data-bbox="280 1037 616 1070"><b>Elements of Logistics Mix</b></p> <p data-bbox="280 1088 536 1122"><b>a) Transportation</b></p> <ul data-bbox="339 1133 1409 1290" style="list-style-type: none"> <li>• Introduction, Principles and Participants in Transportation, Transport Functionality, Factors Influencing Transportation Decisions, Modes of Transportation- Railways, Roadways, Airways, Waterways, Ropeways, Pipeline, Transportation Infrastructure, Intermodal Transportation</li> </ul> <p data-bbox="280 1301 520 1335"><b>b) Warehousing</b></p> <ul data-bbox="339 1346 1409 1469" style="list-style-type: none"> <li>• Introduction, Warehouse Functionality, Benefits of Warehousing, Warehouse Operating Principles, Types of Warehouses, Warehousing Strategies, Factors affecting Warehousing</li> </ul> <p data-bbox="280 1480 592 1514"><b>c) Materials Handling</b></p> <ul data-bbox="339 1525 1409 1648" style="list-style-type: none"> <li>• Meaning, Objectives, Principles of Materials Handling, Systems of Materials Handling, Equipments used for Materials Handling, Factors affecting Materials Handling Equipments</li> </ul> <p data-bbox="280 1659 472 1693"><b>d) Packaging</b></p> <ul data-bbox="339 1704 1409 1774" style="list-style-type: none"> <li>• Introduction, Objectives of Packaging, Functions/Benefits of Packaging, Design Considerations in Packaging, Types of Packaging Material, Packaging Costs</li> </ul>

SN	Modules/ Units
3	<b>Inventory Management, Logistics Costing, Performance Management and Logistical Network Analysis</b>
	<p><b>a) Inventory Management</b></p> <ul style="list-style-type: none"> <li>• Meaning, Objectives, Functions, Importance, Techniques of Inventory Management (Numericals - EOQ and Reorder levels)</li> </ul> <p><b>b) Logistics Costing</b></p> <ul style="list-style-type: none"> <li>• Meaning, Total Cost Approach, Activity Based Costing, Mission Based Costing</li> </ul> <p><b>c) Performance Measurement in Supply Chain</b></p> <ul style="list-style-type: none"> <li>• Meaning, Objectives of Performance Measurement, Types of Performance Measurement, Dimensions of Performance Measurement, Characteristics of Ideal Measurement System</li> </ul> <p><b>d) Logistical Network Analysis</b></p> <ul style="list-style-type: none"> <li>• Meaning, Objectives, Importance, Scope, RORO/LASH</li> </ul>
4	<b>Recent Trends in Logistics and Supply Chain Management</b>
	<p><b>a) Information Technology in Logistics</b></p> <ul style="list-style-type: none"> <li>• Introduction, Objectives, Role of Information Technology in Logistics and Supply Chain Management, Logistical Information System, Principles of Logistical Information System, Types of Logistical Information System, Logistical Information Functionality, Information Technology Infrastructure</li> </ul> <p><b>b) Modern Logistics Infrastructure</b></p> <ul style="list-style-type: none"> <li>• Golden Quadrilateral, Logistics Parks, Deep Water Ports, Dedicated Freight Corridor, Inland Container Depots/Container Freight Stations, Maritime Logistics, Double Stack Containers/Unit Trains</li> </ul> <p><b>c) Logistics Outsourcing</b></p> <ul style="list-style-type: none"> <li>• Meaning, Objectives, Benefits/Advantages of Outsourcing, Third Party Logistics Provider, Fourth Party Logistics Provider, Drawbacks of Outsourcing, Selection of Logistics Service Provider, Outsourcing-Value Proposition</li> </ul> <p><b>d) Logistics in the Global Environment</b></p> <ul style="list-style-type: none"> <li>• Managing the Global Supply Chain, Impact of Globalization on Logistics and Supply Chain Management, Global Logistics Trends, Global Issues and Challenges in Logistics and Supply Chain Management</li> </ul>